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Our File No. 9281-4783  
Client Reference No. S US03059

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Yukio Otaki et al. )  
Serial No. To Be Assigned )  
Filing Date: Herewith )  
For: Diversity Receiving Apparatus Capable )  
of Preventing Reduction of C/N Ratio )

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir :

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references A1-A2 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

Japanese Unexamined Patent Application Publication No. 2003-318857 discloses a receiving apparatus having an improved C/N ratio in order to receive a terrestrial digital TV broadcast signal by using OFDM method.

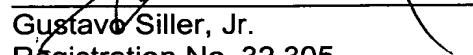
The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be

deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

Respectfully submitted,

  
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|---|--------------------------|----------------|
| <b>FORM PTO-1449</b><br><br><b>LIST OF PATENTS AND PUBLICATIONS FOR<br/>APPLICANT'S INFORMATION DISCLOSURE<br/>STATEMENT</b><br>(use several sheets if necessary) | SERIAL NO.               | CASE NO.       |
|   | To be Assigned           | 9281-4783      |
|   | FILING DATE<br>Herewith. | GROUP ART UNIT |
| APPLICANT(S): Yukio Otaki et al.  |                          |                |

## **REFERENCE DESIGNATION**

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) |  |
|---------------------|--|--|
|                     | A2   | Digital Musen Tsushin-no Henfukicho ( <i>Modulation/Demodulation in Digital Wireless Communication</i> ), written by Yoichi Saito, p. 189-191, Fig. 5.19 |
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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.